



FREDERICK COUNTY GOVERNMENT

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County Executive

DIVISION OF FINANCE

Department of Procurement & Contracting

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July 19, 2017

IFB No. 17-439-CP

Myersville and Jefferson Highway Operations Truck Shed Roof Replacement

Addendum No. 3

This addendum contains revisions, clarifications, and information pertinent to the IFB for the referenced project and shall supplement, amend, and become part of the IFB for the title project and contract. All bids shall be based on this Addendum, in accordance with the IFB documents.

Acknowledgement of this addendum shall be submitted with the bid, including addendum number and date. Failure to acknowledge addendum may subject the contractor to disqualification.

Due date: Bids will be accepted until 2:00 PM, JULY 27, 2017

Clarification:

1. The originally specified Central States H-Lok metal panel system or approved equal shall be **DELETED** in its entirety and **REPLACED** with Central States Central Span Standing Seam Roof Panel System, Central Snap Standing Seam Roof Panel System, or approved equal.

Changes to Bid Documents:

1. **DELETE** Section 07311, Replacement of Existing Shingle Roof with Metal Roofing System and **REPLACE WITH** revised Section 07311, provided as Attachment 1.
2. **DELETE** all references in the bid documents to "Central States H-Lok metal panel roofing system or approved equal" and **REPLACE WITH** "Central States Central Span Standing Seam Roof Panel System, Central Snap Standing Seam Roof Panel System, or approved equal."

Attachments:

1. Revised – Section 07311 – Replacement of Existing Shingle Roof with Metal Roofing System.

Except as noted herein, all terms and conditions of the document referenced, as heretofore changed, remain unchanged and in full force and effect.

Brian Stieg
Project Manager IV

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Attachment 1: Revised – Section 07311 – Replacement of Existing Shingle Roof with Metal Roofing System

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FREDERICK COUNTY DIVISION OF PUBLIC WORKS
MYERSVILLE AND JEFFERSON HIGHWAY OPERATIONS TRUCK SHED ROOF
REPLACEMENT

ADDENDUM #3

SECTION 07311 – REPLACEMENT OF EXISTING SHINGLE ROOF WITH METAL ROOFING SYSTEM

PART 1 - GENERAL

1.1 DESCRIPTION

- A. General provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.
- B. Furnish all labor, material, tools, equipment, and services required for roof replacement, in accordance with the contract documents and manufacturer's recommendations and Installation Details.
- D. Completely coordinate with work of all other trades.
- E. Although such work is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation.

PART 2 - PRODUCTS

2.1 ROOFING SYSTEM:

- A. Manufacturer:
 - Central States Manufacturing - Central Span Standing Seam Roof Panel System, Central Snap Standing Seam Roof Panel System, or approved equal.
- B. Materials: 24 gauge, steel thickness 0.023" or 0.0235". All trim and accessories shall be furnished and installed specifically per Central States Central Span or Central Snap Installation, Data and Product Details requirements, or approved equal. Roof panels shall be fabricated in length to run the entire roof slope (from the ridge to the eave).
- C. Paint Thickness: Top Coat - .70 - .80 mils. Top Coat Primer - .20 mils. Bottom Coat Backer - .35 mils. Bottom Coat Primer - .20 mils.
- D. Color: To be selected by Owner.
- E. Panel configurations: 16" coverage and per manufacturer's specifications.
- G. Metal roofing system panels to contain a steel strength of 50,000 PSI minimum.

2.2 TESTING AND APPROVALS

- A. Testing & Approvals
 - a. Per Central States Central Span, Central Snap Standing Seam Roof Panel specifications, or approved equal.

2.3 UNDERLAYMENT MATERIALS

- A. 30 lb. felt paper or equivalent and per manufacturer's requirements.
- B. High Temperature Ice & Water Shield over entire roof area approved by roofing manufacturer and per manufacturer's requirements.

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2.4 FASTENERS AND PANEL SNAPS

- A. Fasteners and Panel Snaps per Central States Central Span, Central Snap Installation, Data and Product Details, or approved equal.

2.5 ACCESSORIES

- A. All accessories shall be furnished and approved by roofing system manufacturer. All accessories and trim shall be furnished and installed specifically per Central States Central Span, Central Snap Installation, Data and Product Details, or approved equal.

2.6 SEALANT

- A. Sealant shall be approved by manufacturer.

PART 3 – EXECUTION

3.1 PREPARATION

- A. Review of Surfaces: Ensure surfaces to receive roofing and flashing are even, smooth, sound, clean and dry, and free from projecting fastener heads and other defects detrimental to roofing installation.
- B. Coordinate work with other trades; hold pre-roofing conference, prior to beginning roofing work. Coordinate metal roofing with other Work (drainage, flashing and trim, deck substrates, parapets, copings, walls) and other adjoining work to provide a non-corrosive and leak-proof installation.
- C. Dissimilar Metals: Prevent galvanic action of dissimilar metals.
- D. Prevent oil canning.

3.2 ROOFING INSTALLATION

- A. Installation shall be per Central States Central Span, Central Snap Installation, Data, and Product Details, or approved equal. All material, trim, accessories shall be specifically furnished and installed per Installation, Data and Product Details. Roof panels shall be fabricated in length to run the entire roof slope (from the ridge to the eave).
- B. Remove and dispose of existing shingles and underlayment. Areas removed shall be covered with a water-tight surface (dried-in) the same day. Exposed surfaces that are not water-tight will not be permitted beyond the day of removal. Dispose of all existing roofing systems and damaged/rotted substrate materials at an off-site location. Replace damaged substrate with Owner's approval and per the Unit Contingent price. Replaced substrate shall be similar sheathing and shall match the thickness of existing sheathing. Center cuts over rafters so new sheathing can be nailed to the rafters. Install H-Clips on all new/replaced sheathing. Do not cut rafters. Pull lines and check for any uneven planes. Check and re-nail loose roof sheathing. Provide shims as necessary. Run a broom magnet over all drive areas daily. Remove and reinstall bird netting as necessary.

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- C. Install 30 lb. felt paper (minimum) and high temperature ice and water shield over substrate area, per manufacturer's recommendations. High temperature ice and water shield shall be installed in two layers at the bottom of the roof, one layer up the ridge, one layer on both sides at valleys. All other areas shall be covered with 30 lb. (minimum) felt paper.
- D. Install Central States Manufacturing, Central Span, Central Snap metal roofing system, or approved equal, specifically per manufacturer's installation, data and product detail manual. Install ice guard rails per manufacturer's recommendations.
- E. Remove and replace existing drip edge per manufacturer's recommendations.
- F. Coordinate flashing and sheet metal work to provide weather-tight conditions at roof terminations. Fabricate and install in accordance with standards of SMACNA Manual using continuous cleats at all exposed edges.
- G. Installed system shall be true to line and plane and free of dents, and physical defects with a minimum of oil canning.
- H. Touch-up minor abrasions and scratches in finish.
- I. Re-seal seams in existing gutters and clean existing gutters and downspouts.
- J. Paint all exposed fascia board to match existing.
- K. Remove existing fiberglass skylights located at the roof transitions. Skylights shall be removed, plywood decking shall be installed and covered with high temperature ice and water shield, and covered with Central States Manufacturing Central Span, Central Snap metal, or approved equal, necessary flashing and caulking shall be installed at the transition and per manufacturer's installation recommendations. Contractor to provide manufacturer's details/recommendations for flashing prior to installation for Owner's review and approval. Contractor to verify nail fur strips are the same spacing as the roof. Provide additional nailers as required.
- L. Installation of metal roofing system shall only be installed by specialists with expertise and ample experience.
- M. Contractor shall provide two (2) panels at each location for attic stock.

3.3 CLEANING

- A. Wash off corrosion products; remove contamination by steel wool, steel drillings, steel filings, or any other construction debris which may cause damage to finish.
- B. Remove light soil and clean metals.
- C. Final Clean-Up: Remove all debris, metal clips, nails and other materials which could prevent adequate drainage or produce corrosion through electrolysis.

3.4 PROTECTION OF INSTALLED WORK

- A. Provide protection or avoid traffic on completed roof surfaces.
- B. Do no overload roof with stored materials.
- C. Do not support roof-mounted equipment directly on roofing systems.

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3.5 WARRANTY

- A. Provide to the Owner a written Manufacturer's Warranty on material.
- B. Provide to the Owner 20 Year Rust-Through Warranty, 30 Year Chalk & Fade Warranty, and 40 Year Paint Adhesion Warranty. In the event any work/material related to the roofing, flashing, or metal work is found to be defective or otherwise not in accordance with the contract documents within two years from final acceptance, the contractor shall provide labor and material to make repairs at no cost to the owner.
- C. Warranty: Include coverage for water tightness, integrity of seals.
- D. Manufacturer's roof warranty will be complete systems warranty to include all components of roof.
- E. A non-prorated, non-penal sum manufacturer's roof warranty is required.
- F. Manufacturer's roof warranty will cover the cost of removal and replacement of damaged or wet substrate which is the result of leaks from poor workmanship or failed materials.
- G. The contractor is responsible to submit and provide components required by the roofing system manufacturer for the specific warranty.

END OF SECTION 07311